AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-79 (Cancelled)

80. (Currently Amended) A method comprising:

a first peer node receiving an inquiry for data from a second peer node, the inquiry including a user specified search string and specifying a format for the data;

generating a cost value based in part on conversion of the data to the specified format;

adding the cost value to a packet that also includes a cost value generated by another peer node and then providing the packet to the second peer node;

the first peer node converting the data into the specified format before transmitting the data to the second peer node;

transmitting the data to the second peer node in a transport specification specified by the second peer node.

81. (Previously Presented) The method of claim 80, wherein generating the cost value includes generating a cost value that is based in part on a network route to deliver the data to the second peer node.

82. (Previously Presented) The method of claim 80, further comprising sending a packet comprising the cost value to the second peer node.

83. (Currently Amended) The method of claim 80, further comprising:

PAGE 6/20 * RCVD AT 2/28/2007 7:57:47 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/8 * DNIS:2738300 * CSID:3037406962 * DURATION (mm-ss):08-32

the first peer node receiving a battery status of the second peer node; and

the first peer node reacting to the received battery status by changing a transport protocol that is used to transmit the data to the second peer node ~~transmitting the data to the second peer node using a transport protocol that is more power efficient~~.

84. (Previously Presented) The method of claim 80, wherein the data is converted based on a status of a network connection between the first peer node and the second peer node.

85. (Previously Presented) The method of claim 84, wherein the data is converted to a lower bitrate format when the network connection is congested.

86. (Previously Presented) The method of claim 80, further comprising the first peer node obtaining the data from a third peer node prior to transmitting the data to the first node.

87. (Previously Presented) The method of claim 80, wherein converting comprises converting between MPEG 2 and MPEG 4.

88. (Previously Presented) The method of claim 80, wherein converting comprises converting between a Microsoft(R) PowerPoint(R) format and a GIF format.

89. (Previously Presented) The method of claim 80, wherein transmitting the data to the second peer node in the transport specification specified by the second peer node comprises deciding to transmit in UDP instead of TCP.

90. (Previously Presented) The method of claim 80, wherein receiving the inquiry includes receiving an inquiry specifying a file type.

PAGE 7/20 * RCVD AT 2/28/2007 7:57:47 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/8 * DNIS:2738300 * CSID:3037406962 * DURATION (mm-ss):08-32

91. (Previously Presented) The method of claim 80, wherein the data includes multimedia data.

92. (Currently Amended) An article comprising a computer-readable medium which stores computer-executable instructions, the instructions causing a first peer node to:

receive an inquiry for data from a second peer node, the inquiry including a user specified search string and specifying a format for the data;

generate a cost value based in part on conversion of the data to the specified format;

adding the cost value to a packet that also includes a cost value generated by another peer node and then providing the packet to the second peer node;

convert the data ~~before~~ to the specified format; and

transmit the converted data in the specified format to the second peer node in a transport ~~specification~~ protocol as specified by the second peer node, wherein the specified transport protocol is a User Datagram Protocol (UDP).

93. (Previously Presented) The article of claim 92, wherein the instructions cause the first peer node to generate the cost value based in part on a network route to deliver the data to the second peer node.

94. (Previously Presented) The article of claim 92, wherein the instructions further cause the first peer node to send a packet comprising the cost value to the second peer node.

95. (Currently Amended) The article of claim 92, wherein the instructions further cause the first peer node to react to a battery status received from the second peer node by changing a transport protocol that is used to transmit data to the second peer node

PAGE 8/20 * RCVD AT 2/28/2007 7:57:47 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/8 * DNIS:2738300 * CSID:3037406962 * DURATION (mm-ss):08-32

~~transmit the data to the second peer node using a transport protocol that is more power efficient based on a received battery status of the second peer node.~~

96. (Previously Presented) The article of claim 92, wherein the instructions cause the first peer node to convert the data based on a status of a network connection between the first peer node and the second peer node.

97. (Previously Presented) The article of claim 92, wherein the instructions cause the first peer node to convert between different MPEG formats.

98. (Previously Presented) The article of claim 92, wherein the instructions causing the first peer node to transmit the data to the second peer node in the transport specification specified by the second peer node further cause the first peer node to decide to transmit in UDP instead of TCP.

99. (Previously Presented) The article of claim 92, wherein the instructions cause the first peer node to receive an inquiry specifying a file type.

100. (Previously Presented) The article of claim 92, wherein the article includes one or more selected from a memory device, an optical disk, and a magnetic disk.

101. (Currently Amended) A system comprising:

a processing unit;

a memory device;

a network interconnection; and

a first unit to cause the system to,

PAGE 9/20 * RCVD AT 2/28/2007 7:57:47 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/8 * DNIS:2738300 * CSID:3037406962 * DURATION (mm-ss):08-32

process an inquiry for data from a peer node, the inquiry including a user specified search string and specifying a format for the data,

generate a cost value based in part on conversion of the data to the specified format,

adding the cost value to a packet that also includes a cost value generated by another peer node and then providing the packet to the second peer node;

convert the data to the specified format before transmitting the data to the peer node, and

transmit the data to the peer node in a transport ~~specification~~ protocol specified by the peer node, wherein the transport protocol is User Datagram Protocol.

102. (Previously Presented) The system of claim 101, wherein the peer node is a wireless device, and wherein the system further comprises an application support handler to adjust delivery of the data to a status of the peer node.

103. (Previously Presented) The system of claim 101, further comprising a programmatic access for applications of the system to a peer-to-peer service layer.

104. (Previously Presented) The system of claim 101, further comprising a table mapping user-defined names or metadata references to Globally Unique Identifiers identifying data stored within a network of peer-to-peer nodes.

105. (Previously Presented) The method of claim 101, wherein the first unit is to cause the system to generate the cost value based in part on a network route to deliver the data to the peer node.

PAGE 10/20 * RCVD AT 2/28/2007 7:57:47 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/8 * DNIS:2738300 * CSID:3037406962 * DURATION (mm-ss):08-32

106. (Previously Presented) The method of claim 101, wherein the first unit is to cause the system to send a packet comprising the cost value to the peer node.

107. (Previously Presented) The method of claim 101, wherein the first unit is to cause the system to convert the data based on a status of a network connection with the peer node.

108. (Previously Presented) The method of claim 101, wherein the first unit is to cause the system to convert between MPEG 2 and MPEG 4.

109. (Previously Presented) The method of claim 101, wherein the first unit is to cause the system to decide to transmit in UDP instead of TCP based on the inquiry.

PAGE 11/20 * RCVD AT 2/28/2007 7:57:47 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/8 * DNIS:2738300 * CSID:3037406962 * DURATION (mm-ss):08-32